

Title (en)

INCREASE OF THE MELTING CAPACITY OF EXTRUDERS AND PRESSURE MOULDING MACHINES

Publication

EP 0438996 A3 19911106 (FR)

Application

EP 90870251 A 19901228

Priority

BE 9000094 A 19900126

Abstract (en)

[origin: EP0438996A2] The production screw consists of different zones consisting of a single-turn or double-turn feed zone (L2) of core diameter (D3), a compression zone (L3), a metering zone (L4) of core diameter (D4), and a decompression zone (L5) of diameter (D5), these being followed by a shearing section (L6) having inlet and discharge channels, with an overflow flank or flanks which can have different widths and diameters according to the materials to be used. The shearing zone (L6) is followed by a mixing zone (L7) consisting of a plurality of rings having suitable grooves. The pitch (S1, S2) and the slope angle (α 7) are likewise determined by the raw material to be used. <IMAGE>

IPC 1-7

B29C 47/60

IPC 8 full level

B29C 45/60 (2006.01); **B29C 48/64** (2019.01)

CPC (source: EP US)

B29C 45/60 (2013.01 - EP US); **B29C 48/64** (2019.01 - EP US); **B29C 48/03** (2019.01 - EP US)

Citation (search report)

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